

PepPool: AdV5 (hexon), human

Product code: 3634-1

Contents: This adenovirus 5 hexon peptide pool contains 94 peptides derived from the human adenovirus 5 (hAdV5) hexon protein. It consists of both defined and scanning peptides. The scanning peptides are 15-mers overlapping with 11 amino acids. Together, these peptides cover immunodominant regions of the hAdV5 hexon protein that share sequence homology to human adenovirus 26 and chimpanzee adenovirus Y25. The mean purity of the synthetic peptides is 80%.

Applications: The peptide pool is recommended for enumeration of cytokine secreting T cells specific for hAdV5 hexon protein with ELISpot/FluoroSpot. The peptide pool has been validated in ELISpot and FluoroSpot using human PBMC.

Instructions: Sterile handling is recommended. Dissolve the lyophilized peptide pool by addition of 40 µl DMSO to the vial. Then add 85 µl PBS, mix and aliquote and store at -20°C or below. This stock solution will have a concentration of 200 µg/ml of each peptide.

Dilute the stock solution 1:100 in cell culture medium to obtain 2 µg/ml of each peptide in the cell culture. Use the peptide pool in ELISpot and FluoroSpot assay for stimulation of 250,000 cells per well. Use the diluted peptide solution fresh.

Storage: Shipped at ambient temperature. Store frozen at -20°C or below upon receipt. After reconstitution, store aliquotes at -20°C or below. We recommend the aliquots not be refrozen after initial use.

Quantity: One vial with 25 ug of each peptide.

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